

## Portable Power Cable 90°C UL C(UL) MSHA Industrial Grade



### SPECIFICATIONS & STANDARDS

ICEA S-75-381/NEMA WC58, ICEA S-95-658/NEMA WC70, ASTM B172, ASTM B 33, UL 44

### CONSTRUCTION:

- Conductors:** Flexible strand tin copper, ASTM B-172 and ICEA S-75-381/NEMA WC58
- Separator:** Tape separator between the conductor and insulation
- Insulation:** Ethylene-propylene rubber (EPR), ICEA S-75-381 sec 3.15, table 3-9
- Assembly:** Conductors and rubber fillers cabled to form round core
- Reinforcement:** Single faced rubber filled binder tape over insulation
- Jacket:** Black heavy duty CPE thermoset compound, ICEA S-75-381 sec 3.4, table 3-4
- Color Code:** ICEA S-75-381 sec 3.18; black, white, green

FEATURES	APPLICATIONS
<ul style="list-style-type: none"> <li>- Excellent flexibility</li> <li>- Water resistant and flame resistant</li> <li>- Rated and flexible at -40°C to +90°C</li> <li>- Excellent impact and abrasion resistant</li> <li>- Ozone sunlight oil, grease, weather, chemical resistant</li> </ul>	<ul style="list-style-type: none"> <li>- Portable power systems</li> <li>- Other industrial applications</li> <li>- Mining application where bare grounding conductors are not required</li> </ul>

### APPROVALS:

- UL:** E207132 – Oil Resistant; Oil Resistant Inners; Sunlight Resistant; 90C Wet or Dry
- C(UL):** E207132 - FT1; FT5; -40°C +90°C
- MSHA:** P-7K-268101

### SPECIAL FACTORY OPTIONS:

- Jacket:** Other colors available
- MSHA:** P-7K-268077 (Neoprene)
- CSA:** 1523058 (LR 103932) – FT1; FT5; 90C; (-40C) (Neoprene)

### TINNED COPPER CONDUCTORS (STANDARD)

Part Number	Power Conductor Size	Power Conductor Stranding	Nominal Insulation Thickness		Nominal O.D.		Approx. Weight		Ampacity (1) 40°C Ambient Temp.
	AWG or MCM	No. of Stranding	inches	mm	inches	mm	lbs/1000 ft	kgs/km	A
W8-3	8 AWG	133 7x19	0.060	1.52	0.89	22.5	518	771	59
W6-3	6 AWG	133 7x19	0.060	1.52	1.03	26.1	716	1066	79
W4-3	4 AWG	259 7x37	0.060	1.52	1.15	29.1	972	1446	104
W2-3	2 AWG	259 7x37	0.060	1.52	1.31	33.3	1357	2019	138
W1-3	1 AWG	259 7x37	0.080	2.03	1.49	37.8	1644	2447	161
W1/0-3	1/0 AWG	266 19x14	0.080	2.03	1.65	41.9	2133	3174	186
W2/0-3	2/0 AWG	342 19x18	0.080	2.03	1.71	43.5	2567	3820	215
W3/0-3	3/0 AWG	418 19x22	0.080	2.03	1.85	47.0	2965	4413	249
W4/0-3	4/0 AWG	532 19x28	0.080	2.03	1.99	50.6	3588	5340	287
W250-3	250 MCM	627 19x33	0.095	2.41	2.33	59.2	4532	6745	320
W350-3	350 MCM	888 37x24	0.095	2.41	2.63	66.9	6027	8970	394
W500-3	500 MCM	1221 37x33	0.095	2.41	2.97	75.5	7996	11900	487

(1) Ampacity – Free air measured; Based on continuous duty at 90°C conductor temperature

### STANDARD PRINT LEGEND:

TF CABLE (SIZE) TYPE W PORTABLE POWER CABLE 2000V 90C SUN RES OIL RES 90C WET OR DRY (UL) E207132 C(UL) FT1 FT5 (-40°C) P-7K-268101-MSHA